

# COMPUTER NETWORK AND COMPUTER READABLE MEDIUM

**Publication number:** JP2002366533

**Publication date:** 2002-12-20

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**Classification:**

- international: **G06F15/16; G06F9/44; G06F9/50; G06F15/177; G06F15/80; H04L29/06; H04L29/08; G06F15/16; G06F9/44; G06F9/46; G06F15/76; H04L29/06; H04L29/08;** (IPC1-7): G06F15/16; G06F9/44; G06F15/177

- European: G06F9/46A4M; H04L29/06; H04L29/08N9

**Application number:** JP20020079356 20020320

**Priority number(s):** US20010816004 20010322

**Also published as:**



WO02077845 (A1)  
EP1370968 (A1)  
US7233998 (B2)  
US2007186077 (A1)  
US2007168538 (A1)

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## Abstract of JP2002366533

**PROBLEM TO BE SOLVED:** To provide a computer architecture and programming model for high speed processing through broadband networks. **SOLUTION:** The architecture employs a uniform modular structure, a common computing module and uniform software cells. The common computing module includes a controller, a plurality of processing units, a plurality of local memories from which the processing units process programs, a direct memory access controller and a shared main memory. A synchronized system and method for the coordinated reading and writing of data to and from the shared main memory by the processing units are provided.



